

Fig. 1

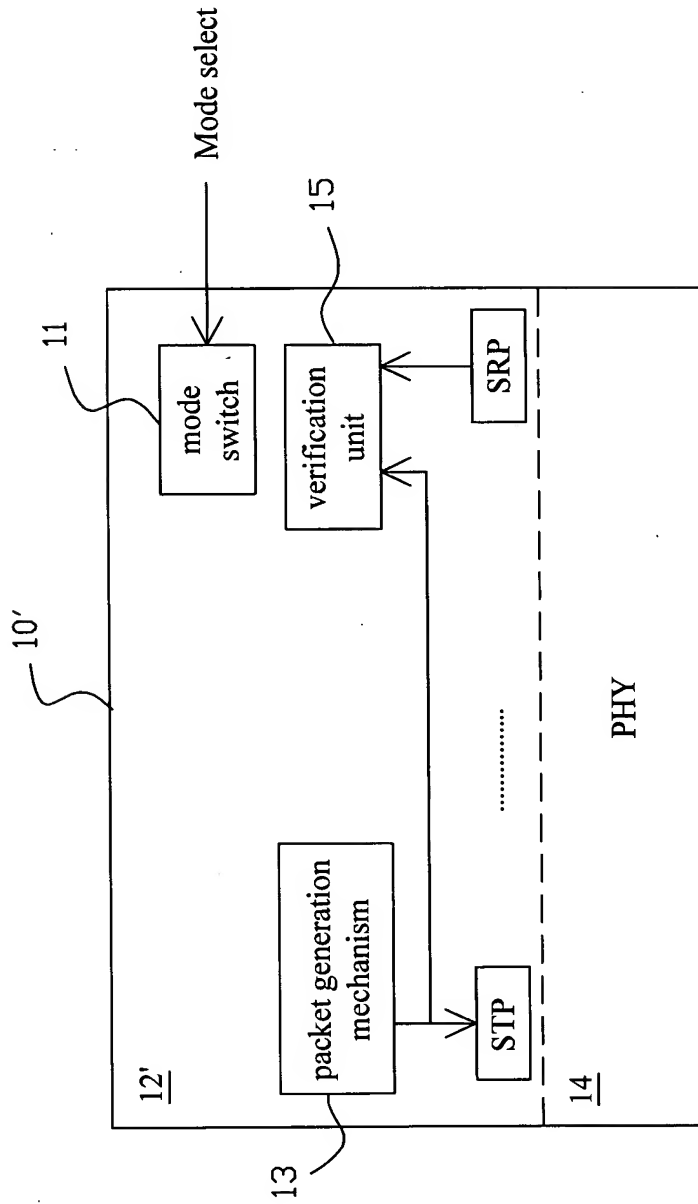


Fig. 2

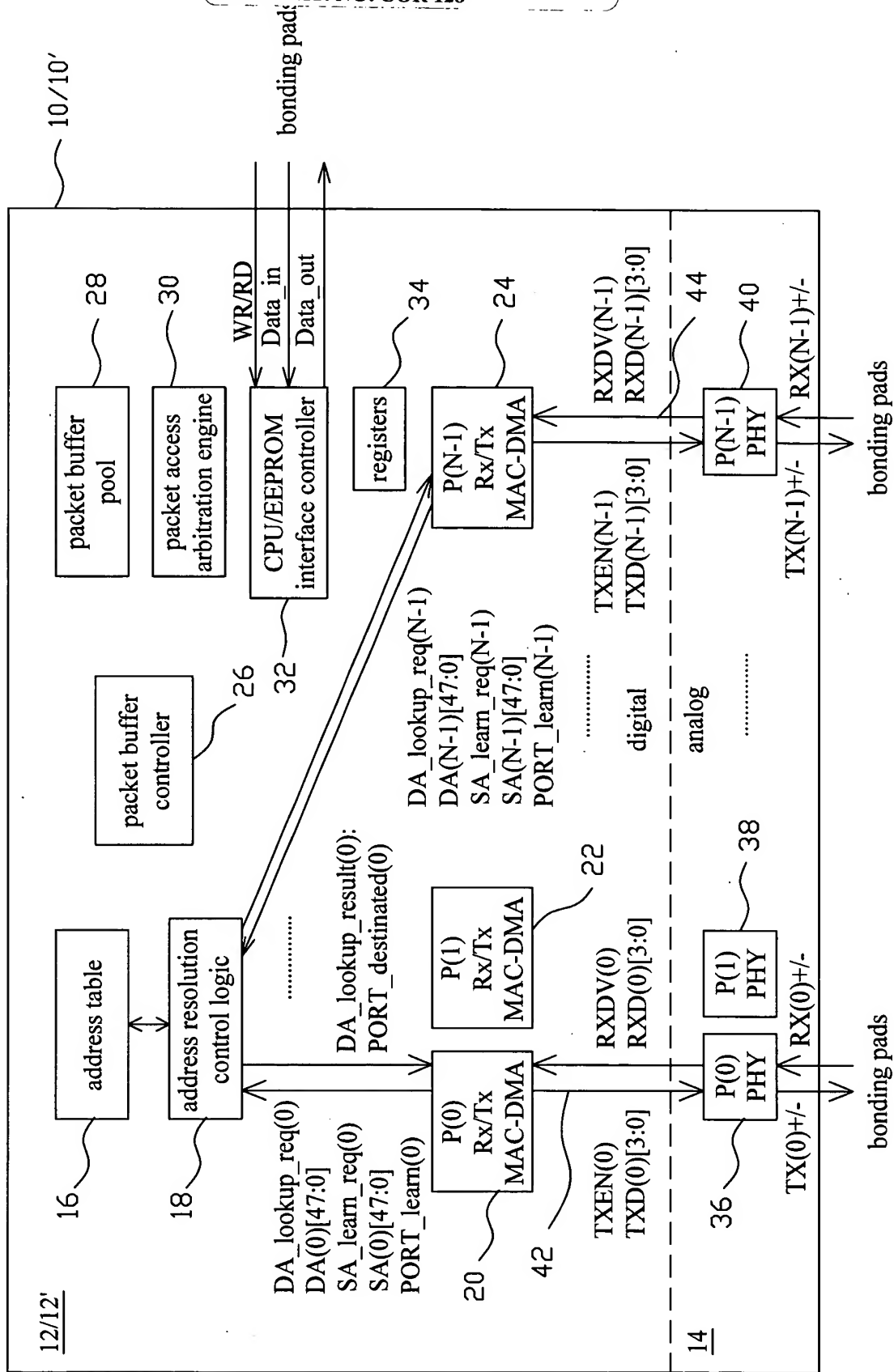


Fig. 3

entry0	.....	
entryN	MAC address [47:0]    corresponding port    ageing timer    valid indication	.....

Fig. 4

48

packet DA compared with hitting entry MAC address	packet incoming port compared with hitting entry corresponding port	result
!=	don't care	broadcast
==	==	filter
==	!=	unicast destined to entry corresponding port

Fig. 5

50

MAC address [47:0]	corresponding port	ageing timer	valid indication
000---0---0-0	0---0---0	0	0
000---0---0-0	0---0---0	0	0

entry0

Fig. 6 (Prior Art)

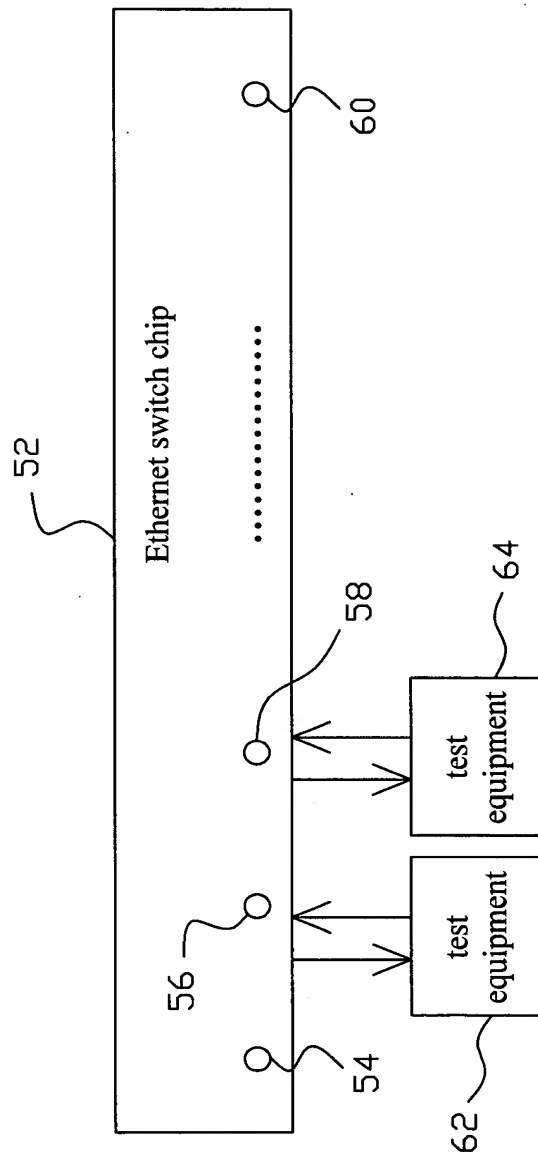


Fig. 7 (Prior Art)

66

MAC address [47:0]	corresponding port	ageing timer	valid indication
00 00 00 00 00 01	01	000	1
00 00 00 00 00 02	02	000	1
entry0			

Fig. 8 (Prior Art)



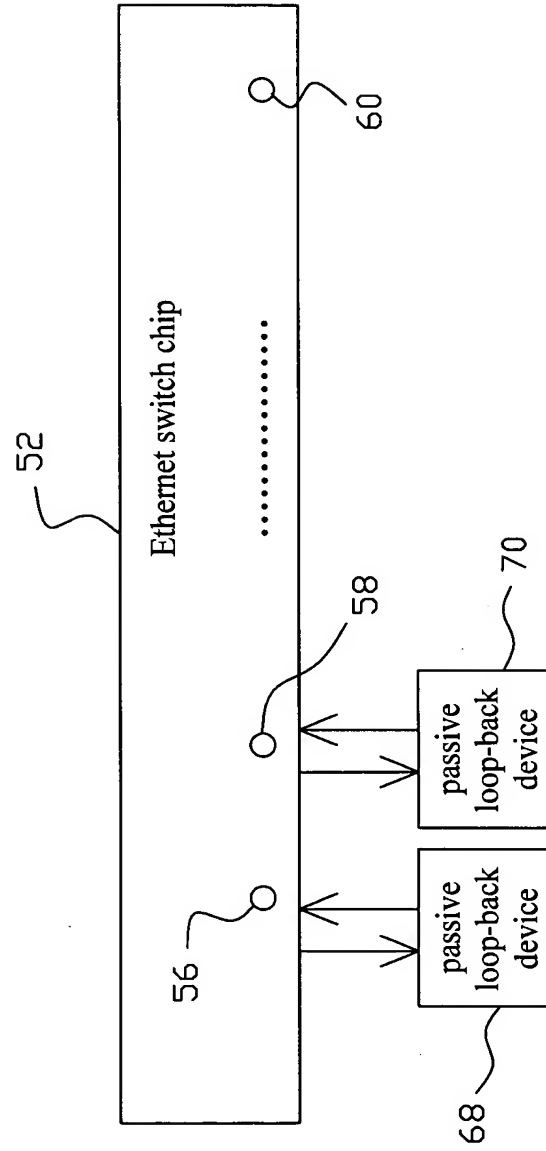


Fig. 9 (Prior Art)

72

MAC address [47:0]	corresponding port	ageing timer	valid indication
00 00 00 00 00 01	01	000	1
00 00 00 00 00 02	01	000	1
00 00 00 00 00 03	01	000	1
...			

entry 0

Fig. 10 (Prior Art)

74

MAC address [47:0]	corresponding port	ageing timer	valid indication
000---0---0-1	0---0---1	0	1
000---0---0-2	0---0---1	0	1
.....			
000---0---0-M	0---0---1	0	1

entry0

Fig. 11

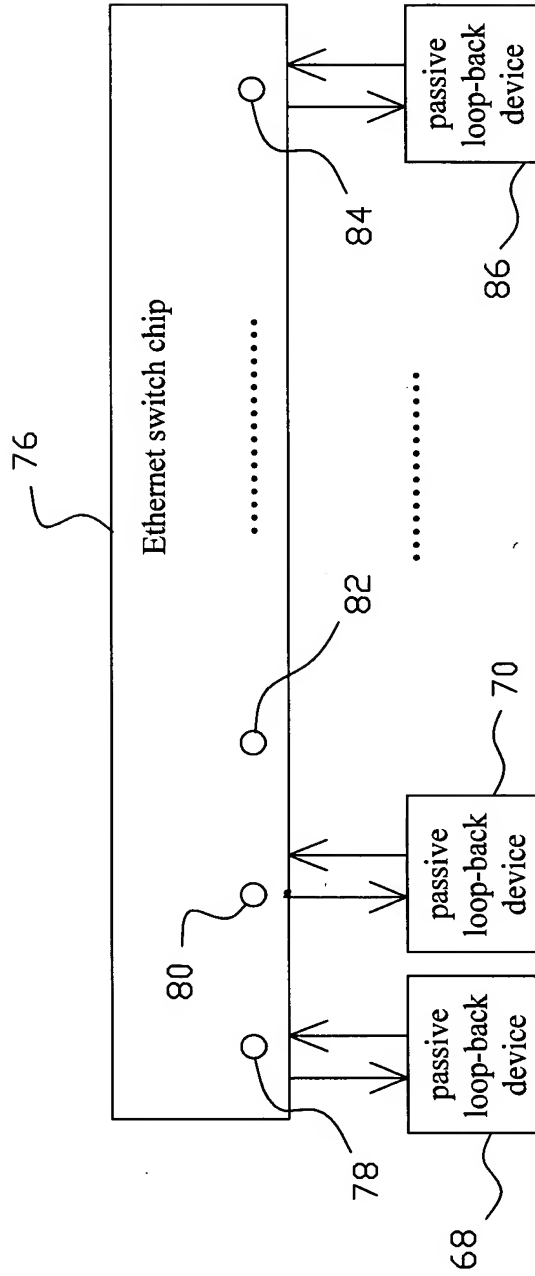


Fig. 12

88

MAC address [47:0]	corresponding port	ageing timer	valid indication
000---0---0-1	0---0---2	0	1
000---0---M	0---0---2	0	1

entry0

Fig. 13

90

MAC address [47:0]	corresponding port	ageing timer	valid indication
000---0---0-1	0---0---3	0	1
000---0---M	0---0---3	0	1

entry0

Fig. 14

92

MAC address [47:0]	corresponding port	ageing timer	valid indication
000---0---0-1	0---0---N	0	1
000---0---M	0---0---N	0	1

Fig. 15

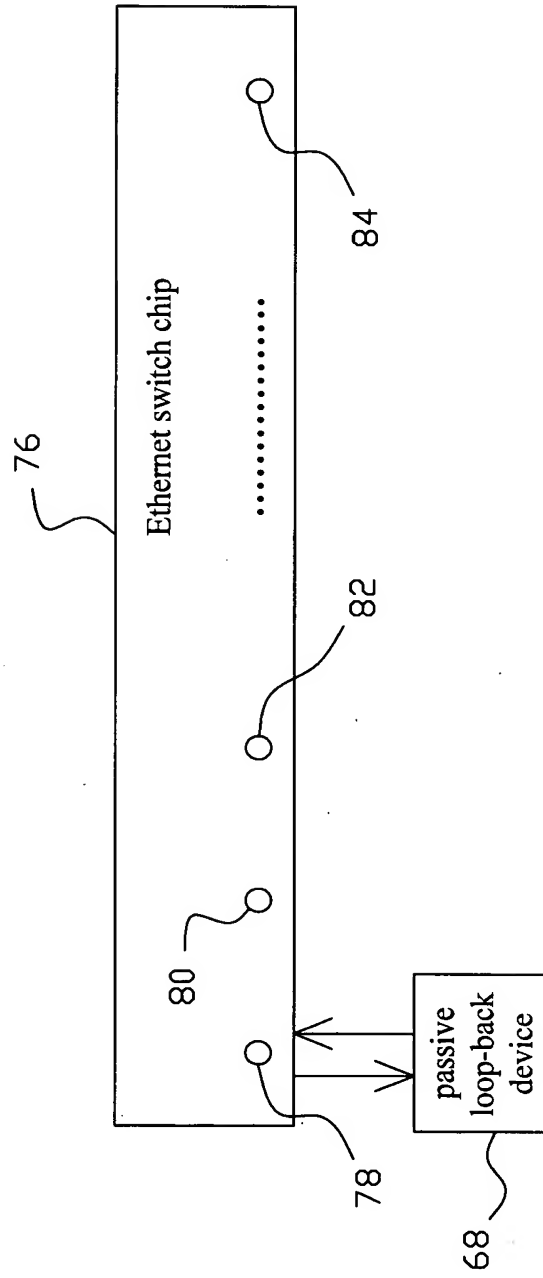


Fig. 16